Annexure I

Carbon dioxide Sequestration Potential from Agroforestry for each State & UT

State/UT	Total GA (in'000ha)	Forest Cover (in '00ha)	Net area Sown (in '000ha)	Co2 sequestration Potential (tonnes/yr)
Andhra Pradesh	27507	46389	10868	4510220
Arunachal Pradesh	8374	67410	211	169328
Assam	7844	27673	2753	1878923
Bihar	9416	6845	5662	2349730
Chattisgarh	13519	55674	4710	1954650
Delhi	148	176.2	23	9545
Goa	370	2219	135	108338
Gujrat	19602	14619	9801	2646270
Haryana	4421	1608	3576	1484040
Himachal Pradesh	5567	14679	541	434153
Jammu & Kashmir	22224	22539	739	593048
Jharkhand	7972	22977	1504	624160
Karnataka	19179	36194	10174	4222210
Kerala	3886	17300	2089	1425743
Madhya Pradesh	30825	77700	14941	6200515
Maharashtra	30771	50646	17426	7231790
Manipur	2233	17090	236	189390
Meghalaya	2243	17275	284	227910
Mizoram	2108	19117	95	76238
Nagaland	1658	13318	316	253590
Orissa	15571	48903	5604	3824730
Punjab	5036	1764	4169	1730135
Rajasthan	34224	16087	17551	4738770
Sikkim	710	3359	107	85868
Tamilnadu	13006	23625	5043	2092845
Tripura	1049	7977	280	224700
Uttar Pradesh	24093	14338	16417	6813055
Uttarakhand	5348	24496	754	605085
West Bengal	8865	12995	5294	3613155
A&N Islands	825	6724	13	10433
Chandigarh	11	16.78	1	415
Dadra & Nagar Haveli	49	211	21	14333
Daman & Diu	11	6.15	5	3413
Lakshadweep	3	27.06	3	2408
Puducherry	48	50	19	12968
Total	**328716**	**692027.19**	**141365**	60362098

*presuming 1/3rd net area sown to be under agroforestry

**only above ground woody biomass taken in to consideration

Annexure II

Calculation Sheet in Excel Showing computations of NPV, B/C ratio etc for Khejri-Millet Agroforestry Model

	Cost/ha			Benefit/ha							
	Tree	Crop	Total	Tree	Crop	Total	Net B without Carbon	Carbon Benefit	Transaction Cost (Tx)	Benefit with carbon	Cost including Tx cost
1	17280	2400	19680	0	4800	4800	-14880	5810	1000	10610	20680
2	5760	2280	8040	0	4560	4560	-3480	5810		10370	8040
3	5760	2160	7920	0	4320	4320	-3600	5810		10130	7920
4	5760	2040	7800	0	4080	4080	-3720	5810		9890	7800
5	5760	1920	7680	0	3840	3840	-3840	5810		9650	7680
6	5760	1800	7560	28560	3600	32160	24600	5810	333.33	37970	7893
7	5760	1680	7440	28560	3360	31920	24480	5810		37730	7440
8	5760	1560	7320	28560	3120	31680	24360	5810		37490	7320
9	5760	1440	7200	28560	2880	31440	24240	5810		37250	7200
10	5760	1320	7080	28560	2640	31200	24120	5810		37010	7080
11	5760	1200	6960	28560	2400	30960	24000	5810	333.33	36770	7293
12	5760	1080	6840	28560	2160	30720	23880	5810		36530	6840
13	5760	960	6720	28560	1920	30480	23760	5810		36290	6720
14	5760	840	6600	28560	1680	30240	23640	5810		36050	6600
15	5760	720	6480	28560	1440	30000	23520	5810		35810	6480
16	5760	600	6360	28560	1200	29760	23400	5810	333.33	35570	6693
17	5760	480	6240	28560	960	29520	23280	5810		35330	6240
18	5760	360	6120	28560	720	29280	23160	5810		35090	6120
19	5760	240	6000	28560	480	29040	23040	5810		34850	6000
20	5760	120	5880	668560	240	668800	662920	5810	333.33	674610	6213
	NPV		**73294.58**			**257581.88**	**184287.30**	**49463.81**	**1869.66**	**307045.68**	**74630.75**
		B/C	**3.514**							**4.189**	**4.114**
					Tx Cost as% of C benefit	**3.780**	% gain over AF	**19.203**	**17.069**	net Profit with diff carbon price	**233751.11**